

What Did the Boy Measuring Stick Say When He Saw the Girl Measuring Stick?

Simplify the product, then cross out the letter pair next to the correct answer.
For each letter pair that you DON'T cross out, write the upper case letter in the
box containing the lower case letter.

- 1 $7(2m^2 + 5) \cdot 14m^2 + 35$
 2 $-3(8m^2 - 4m) - 3 \cdot 8m^2 + 3 \cdot 4m$
 3 $2m(m^3 + 9) \cdot 2m \cdot m^3 + 2m \cdot 9$
 4 $m^2(-5m - 6) \cdot 2m^4 + 18m$

- Answers 1-4
j • O $-5m^4 - 6m$
b • L $2m^4 + 18m$
g • V $14m^2 + 35$
o • E $-24m^2 - 12$
m • F $-5m^3 - 6m^2$
e • A $2m^4 + 18m^2$
p • U $-24m^2 + 12m$

- 5 $9(4a^2 - a + 2) \cdot 36a^2 - 9a + 18$
 6 $3a(12 + 5a - a^2)$
 7 $-4a^2(7a^2 + 15a - 1)$
 8 $2a^3(6a^2 - 2a + 3)$

- Answers 5-8
g • T $-28a^4 - 60a^3 - 4a$
i • L $36a + 15a^2 - 3a^3$
d • H $12a^5 - 4a^4 + 6a^3$
f • T $36a^2 - 9a + 18$
b • I $12a^5 - 8a^4 - 6a^3$
a • S $-28a^4 - 60a^3 + 4a^2$
m • E $36a^2 + 15a + 18$

- 9 $x^2y \cdot x^2 - x^2y \cdot y^2$
 10 $x^2y(x^2 - y^2) \cdot x^4y - x^2y^3$
 11 $-5xy^2(-x^3y + 4xy^3)$
 12 $9xy(2x^2y + 9xy - 4xy^2)$
 13 $-x^2y^2(5x^2 - 8xy + y^2)$

- Answers 9-12
i • T $-5x^4y^3 + 8x^3y^3 - 2x^2y^3$
n • D $x^4y - x^2y^3$
c • S $-5x^4y^2 + 8x^3y^3 - x^2y^4$
p • R $18x^3y^2 + 81xy^2 - 36x^2y^2$
l • B $18x^3y^2 + 81x^2y^2 - 36x^2y^3$
d • W $x^4y + xy^3$
k • N $5x^4y^3 - 20x^2y^5$

- 13 $3cd^4(2c^4 - 5c^2d^2 - 18d^4)$
 14 $8c^2d^2(3c^4d^3 + 10c^3d^4 + 11)$
 15 $-9c^7d^3(16c^5d^2 - 5c^2d^5)$
 16 $4c^5(3c^2 - 20cd - 3d^2)$

- Answers 13-16
c • S $24c^6d^5 + 80c^5d^6 + 88c^2d^2$
n • T $6c^5d^4 - 15c^2d^6 + 54cd^8$
h • A $-144c^{12}d^5 + 45c^9d^8$
k • R $6c^5d^4 - 15c^3d^6 - 54cd^8$ ✓
f • N $24c^6d^5 + 80c^2d^6 + 88cd^2$
q • S $12c^7 - 80c^6d - 12c^5d^2$
l • M $-144c^{12}d^6 + 45c^5d^8$

a b c d e f g h i j k l m n o p q